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## **POWER OF ATTORNEY OR AUTHORIZATION OF AGENT**

Application Number	
Filing Date	
First Named Inventor	Martin J. Murphy
Title	Lightning Detection*
Group Art Unit	
Examiner Name	
Attorney Docket Number	6059.12004

I hereby appoint:			
Practitioners at C	Customer Number	Place Customer Number Bar Code Label here	
X Practitioner(s) na	med below:		
	Name	Registration Number	
	A. Birdwell	27,181	
	R. Durando	28,409	
	E. Janke 40,662		
Gavin J	. Milczarek-Desai	45,801	
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X Firm or Individual Name	William A. Birdwell	•	
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Address	2929 E. Broadway Blvd.		
City	Tucson	State AZ Zip 85716	
Country	USA	F20 004 0440	
Telephone	520-881-9442	Fax 520-881-9448	
I am the:			
Applicant/Invent	or.		
Anolessa af sa	ord of the entire interest. See 37 CFR 3	₹ <b>7</b> 1	
	ord of the entire interest. See 37 CFR 3 er 37 CFR 3.73(b) is enclosed. (Form P		
	SIGNATURE of Applicant or Assign	nee of Record	
Name Gloi	bal Atmospherics, Inc. by i	its V.P. of R&D, Kenneth L.	
Signature	emeth Llin		
Date	February 12,2002		
NOTE: Signatures of all the inve- forms if more than one signature	ntors or assignees of record of the entire interes is required, see below.	st or their representative(s) are required. Submit multiple	
	orms are submitted.		

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			Attorney Docket Nun	nber	6059	12004	
DECLARA		R UTILITY OR	First Named Inventor		Marti	n J. Murphy	
DATE	DESIG	N ICATION	COMPLETE IF KNOWN				
	37 CFR 1		Application Number		/	,	
[V]		1	Filing Date				
Declaration Submitted	OR	Declaration Submitted after Initial	Art Unit				
with Initial		Filing (surcharge (37 CFR 1.16 (e))	Artonic				
Filing		required)	Examiner Name				
As the below named in	ventor, I her	reby declare that:				-	
My residence, mailing a	ddress, and c	itizenship are as stated belo	w next to my name.				
I believe I am the origin	al and first inv	rentor of the subject matter w	hich is claimed and for whi	ch a pa	tent is soug	tht on the invention entitled:	
LIGHT	NING DET	ECTION AND DATA	ACQUISITION SYS	TEM			
		(Title of the I	nvention)			<u> </u>	
the specification of which	ch:						
X is attached heret	0						
OR	Г						
was filed on (MM/DD/YYYY)  as United States Application Number or PCT International							
	L					**	
Application Number		and una amanda	ed on (MM/DD/YYYY)	•		(if applicable)	
Application Number		and was amende	ad on (www.bb/1111)			(if applicable).	
I hereby state that I have	e reviewed an	d understand the contents o	f the above identified speci	fication	. includina t	he claims, as amended by	
any amendment specific	I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.						
I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.							
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.							
Prior Foreign App Number(s)		Country	Foreign Filing Date (MM/DD/YYYY)		riority Claimed	Certified Copy Attached? YES NO	
		1		ŀ			

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto: [Page 1 of 2]

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## **DECLARATION** — Utility or Design Patent Application

Direct all co	rrespondence to: Customer Nur or Bar Code L			OR X Cor	respondence address below
	William A. Birdwell				
Name	Durando Birdwell & Jank	ce, P.L.C.			
Address	2929 E. Broadway Blvd.				
City	Tucson		State	AZ	<b>ZIP</b> 85716
Country	US :	Telephone 520-	-881-9442	2	Fax 520-881-9448
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
NAME O	F SOLE OR FIRST INVENTOR:	A petition h	nas been file	d for this unsig	ned inventor
Given Nam (first and m	e Martin J. niddle [ff any])		Family Name or Surname	• Murphy	
Inventor's Signature	martingn	ruph	y		2-/2-02 Date
Residence:	Tucson	AZ State	Cour	USA itry	USA Citizenship
Mailing Address 2705 E. Medina Road					
City	Tucson	State AZ	ZIP	85706	USA Country
NAME OF	SECOND INVENTOR:	A petition ha	s been filed	for this unsigne	ed inventor
Given Nam (first and m	e Kenneth L.		Family Name or Surname		
inventor's Signature	Kenath I Cu				Date 2/12/02
Residence:	Tucson	AZ Starte	Coun	USA ntry	USA Citizenship
Mailing Add	2705 E. Medina Rodina	ađ			
City	Tucson	State AZ	<u> </u>	85706	Country USA
X Additio	nal inventors are being named on the1_	_supplemental Addition	onal inventor(s)	sheet(s) PTO/SB/	02A attached hereto.

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## **DECLARATION**

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page \_3\_ of \_3\_

Name of Additional Joint Inventor, if a	any:		A petition has been f	led for	this unsigned inventor
Given Name (first and middle [if an	y])		Family Na	me or	Surname
Alburt E.			Pifer		
Inventor's Albert E. B.	En				Date 2-12-02
Residence: City	State AZ	Z	US Country	A	USA Citizenship
Mailing Address 2705 E. Medina	Road				
Mailing Address					
City Tucson	State AZ	3	ZIP 85706	Count	try USA
Name of Additional Joint Inventor, if a	ny:		A petition has been file	d for th	nis unsigned inventor
Given Name (first and middle [if an	y])		Family Na	me or s	Surname
Inventor's Signature					Date
Residence: City	State		Country		Citizenship
Mailing Address					
Mailing Address			•		
				T	
City	State		ZIP	Cou	untry
Name of Additional Joint Inventor, if a	ny:		A petition has been filed	for this	s unsigned inventor
Given Name (first and middle [if any	1)		. Family	Name	or Surname
Inventor's Signature				77.	Date
Residence: City	State		Country		Citizenship
Mailing Address					
Mailing Address					
City	State		ZIP	C	ountry.

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STATEMENT UN	DER 37 CFR 3.73(b)
Applicant/Patent Owner: Martin J. Murphy,	Kenneth L. Cummins and Alburt E. Pifer
Application No./Patent No.:	Filed/Issue Date:
Entitled: Lightning Detection and Dat	a Acquisition System
Global Atmospherics, Inc. , a co	corporation of Arizona
(Name of Assignee) (Type of	Assignee, e.g., corporation, partnership, university, government agency, etc.)
otatas that it is	
states that it is:	
1. The assignee of the entire right, title, and intere	
<ol> <li>an assignee of less than the entire right, title at The extent (by, percentage) of its ownership in</li> </ol>	terest is%
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